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ABSTRACT OF THE DISCLOSURE

The surface of an aluminum alloy high-temperature processed article containing Mg is heated at a high temperature of 200°C or above, thereafter the surface is etched with an aqueous solution containing a chelating agent, and then at least one surface treatment selected from hydration oxidation treatment, coating type chromating, coating, anodizing, and alternating current electrolysis in an aqueous alkali solution is further carried out.

This method can provide a surface-treated aluminum alloy high-temperature processed article having superior anticorrosion and adhesion of coatings and a good surface appearance, and is effective as a pretreatment for further surface treatment.